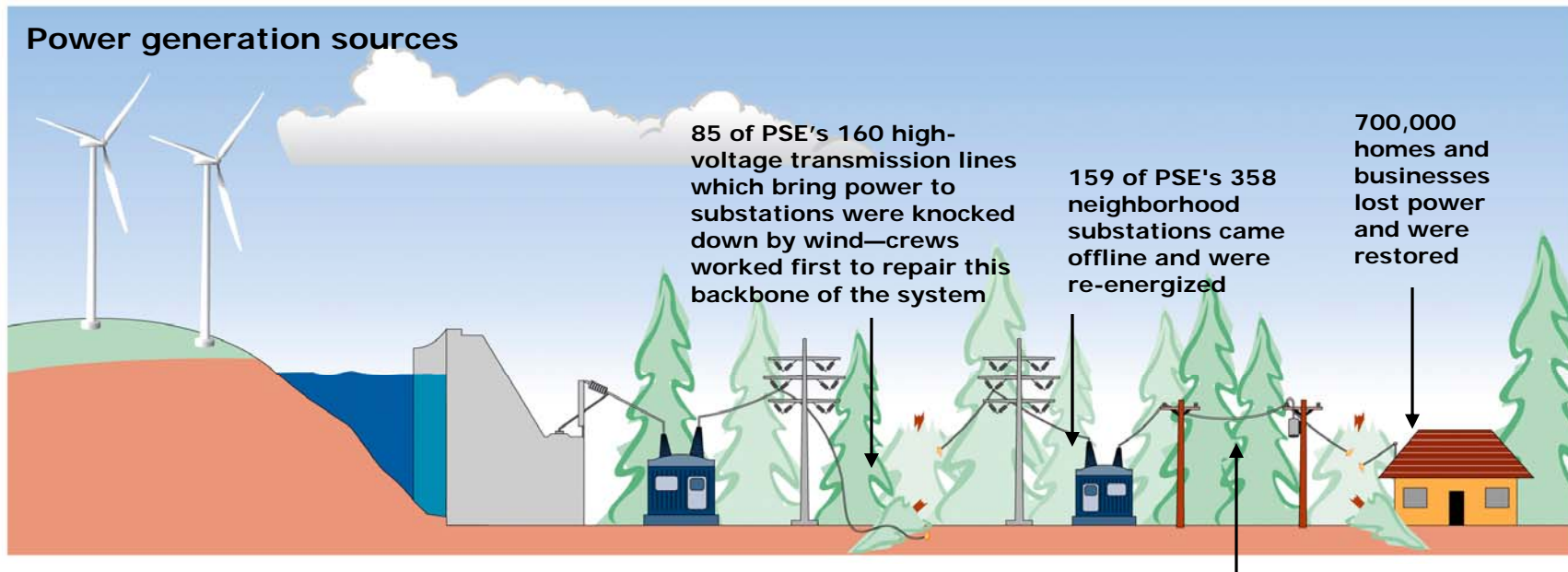


Effects of severe December 2006 windstorm on Puget Sound Energy electric system



500 crews—nearly 2,000 workers, with some from as far away as Kansas—mobilized to restore power

In a matter of days, PSE re-built the electric system that, under normal conditions, would take months or years to construct

Transmission line

A transmission line is a high-voltage (46,001 volts to 750,000 volts) overhead line that carries power from power plants to substations or power distribution centers.

Substation

A power distribution center that steps down transmission voltages (46,001 volts to 750,000 volts) to primary distribution voltage (2,001 volts to 46,000 volts). Most circuits (distribution lines) radiate from substations toward customers service areas.

Distribution line

Overhead or underground medium-voltage (2,001 volts to 46,000 volts) lines that carry power from the substation to customer service areas. 60 percent of PSE's distribution lines are underground.

Transformer

A transformer is a device that steps voltage down from a higher voltage, or steps it up to a higher voltage, depending on use. Typically it steps voltage down from a primary distribution voltage of 7,200 volts to 120/240 volts for residential use.

Service line

A lower voltage (up to 2,000 volts) overhead or underground which are the last connection from a utility to the meter on the customer's home or business.

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